

## **CLAIMS**

We claim,

1. A system for controlling the movement of a display assembly of an on-board entertainment system, comprising:

an actuator for intended movement of said display assembly;
an indicator plate mechanically affixed to the actuator;
a sensor for sensing relative position of said indicator plate; and
controller coupled to said actuator and sensor;

wherein upon movement of a relative location of the indicator plate to a desired location, a control signal is transmitted to the actuator.

- 2. The system of Claim 1, wherein the actuator is a rotary electric motor.
- 3. The system of Claim 1, wherein the actuator is a linear electric motor.
- 4. The system of Claim 2, wherein the indicator plate is a flat disk shaped device approximately two inches in diameter.
- 5. The system of Claim 4, wherein the indicator plate is of metallic composition.



- 6. The system of Claim 1, wherein the sensor is an infrared sensor.
- 7. The system of Claim 1, wherein the sensor is a mechanical device.
- 8. A system for controlling the movement of a display assembly of an on-board entertainment system, comprising:

an actuator, comprised of an electric rotary motor, for intended movement of said display assembly;

an indicator plate mechanically affixed to an extension of the rotary motor shaft;

a sensor for sensing relative position of said indicator plate; and controller coupled to said actuator and sensor;

wherein upon movement of a relative location of the indicator plate to a desired location, a control signal is transmitted to the actuator.

- 9. The system of Claim 8, wherein the indicator plate is a flat disk shaped device approximately two inches in diameter.
- 10. The system of Claim 9, wherein the indicator plate is of metallic composition.
  - 11. The system of Claim 8, wherein the sensor is an infrared sensor.
  - 12. The system of Claim 8, wherein the sensor is a mechanical device.